

# 1400 Series

## Compact Crystal Clock Oscillators

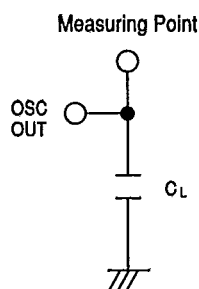
T-50-23

### FEATURES

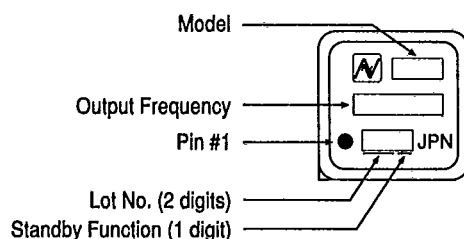
- Directly drives INTEL 32 bit CPU 80386 and Motorola 68000 Series
- Wide frequency range of 7 ~ 70 MHz
- Available for high output load up to 150pF max.
- Tri-State output
- Very high speed Tr/Tf
- Compact metal package compatible with 8 Pin Dip
- Sealed, grounded metal case resists EMI and Humidity

Model		1429	1431	1432	1433	1434	1435	1436	1437
Item									
Frequency Range (MHz)	~	7~21.9	22~24.9	25~29.9	30~35.9	36~41.9	42~50.9	51~59.9	60~70.0
Frequency Stability (x10 <sup>-6</sup> )	0 ~ 70°C	±100							
Current Consumption (mA)	V <sub>DD</sub> =5V Test circuit: Fig. 1.	10~30 (TYP) 40 (MAX)	65			90		110	130
V <sub>OL</sub> MAX / V <sub>OH</sub> MIN (V)	Test circuit: Fig. 1.	0.5/V <sub>DD</sub> —0.5							
Tr MAX / Tf MAX (ns)	Test circuit: Fig. 1.	6/6							
Duty Cycle (%)	Test circuit: Fig. 1. 1/2 V <sub>DD</sub>	45~55							
C <sub>L</sub> MAX		150pF							
Standby Function	H level 2.2V MIN	Operating							
	L level 0.8V MAX	Non-operation (High Impedance)							

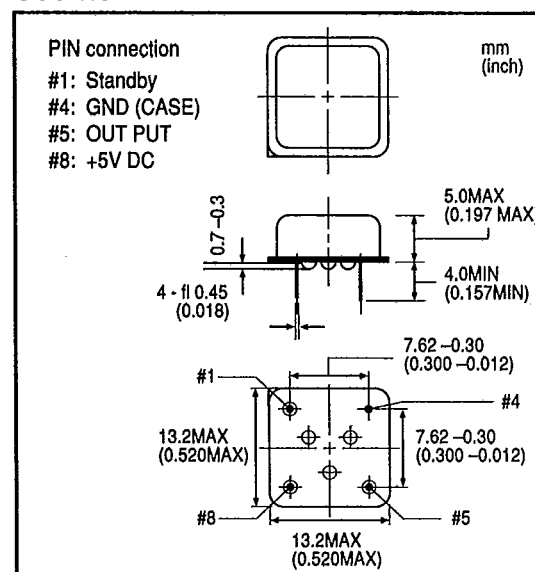
Test Circuit Fig. 1



### Marking



### Outline



Conversion to inch is subject to 1mm = 0.03937



NDK America, Inc.  
20300 Stevens Creek Blvd., Suite 400  
Cupertino, California 95014-2210  
(408) 255-0831 Fax: (408) 725-0369  
Telex: 352057 NDKCOLTD CPTO